A Near Electric Alarm Safety Helmet

Near current alarm/ solar cell / Pressure sensing

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01 Patent Introduction

This utility model belongs to the technical field of safety helmet equipment, specifically a near electric alarm safety helmet. The shell body is detachably connected with a head wearing body and a battery box, and the battery box is fixedly connected with four sets of expansion rods and solar panels that cooperate with the battery at intervals.

The side walls of the head wearing body are equipped with three sets of pressure sensors at circumferential intervals, and the head wearing body is equipped with an adaptive device that cooperates with the pressure sensor, The shell body is equipped with a buzzer that cooperates with the induction detection module.

02

Patent certificate

Certificate

证书号第18483060号

实用新型专利证书

实用新型名称：一种近电报警安全帽

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03 Key points of innovation

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Near electric induction

02

Solar powered

03

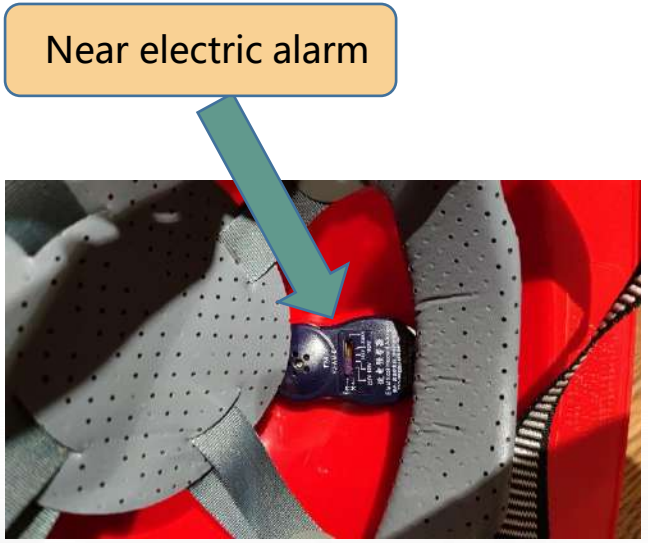
Pressure sensing

03 Key points of innovation

01

Near electric induction

When the safety helmet is close to a charged body, it can automatically sense



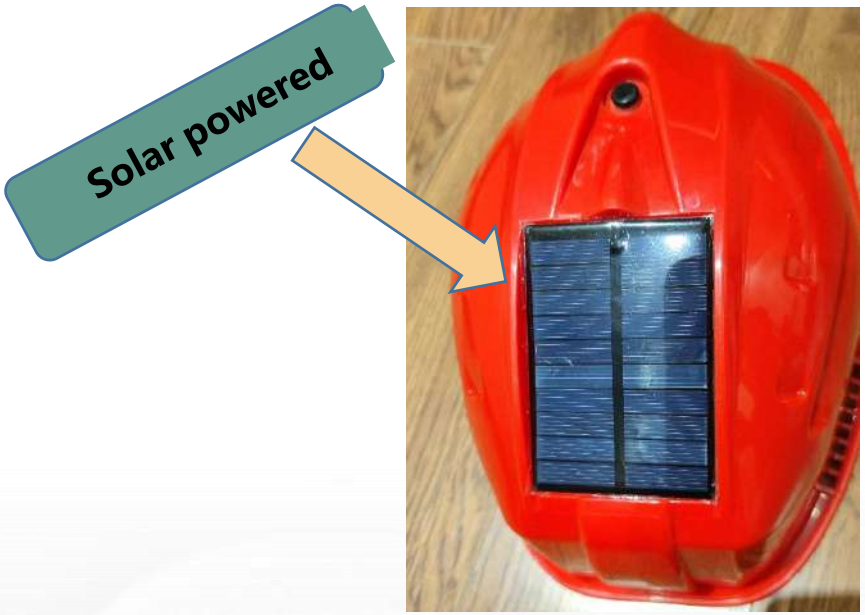
When people go to the electrical construction/maintenance site to work, an induction detection module is installed on the casing that matches the pressure sensor. If an abnormality is detected, a buzzer is installed inside the casing that matches the induction detection module to warn people and avoid physical injury。

03 Key points of innovation

02

Solar powered

Using solar power supply to avoid safety hazards caused by battery depletion



When charging the battery, the extended end of the telescopic rod can be fixedly connected to a solar panel that matches the battery for charging. Three sets of telescopic rods can also be pulled apart, and the battery cover can be opened through a locking device. The battery can be removed for replacement, and a charging interface can be set up on the shell to directly charge the battery without disassembly, improving work efficiency

03 Key points of innovation

03

Pressure sensing

By having an adaptive device on the headwear that matches the pressure sensor

Automatically adjust according to the size of people's heads. After adjustment through an adaptive device, the pressure sensor is triggered and the induction detection module is activated. When people go to the electrical construction/maintenance site to work, an induction detection module is installed on the casing that matches the pressure sensor. If an abnormality is detected, a buzzer is installed inside the casing that matches the induction detection module to warn people

04 Promotion and application

People currently work on electrical construction/maintenance sites, and there are many potential safety hazards, especially the safety risk of accidental electric shock. The existing safety helmets do not have a near electric warning function. This utility model patent innovatively provides a near current alarm function. In addition, the pressure sensing device ensures that workers can work normally with their safety helmets on, and the solar cell design prevents the risk of battery depletion. Overall, this invention has particularly important promotional value.

Thank you to all judges!

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